

Missile Defense Progress Report



25 JUN 02

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Director
Missile Defense Agency**



OVERVIEW

- **NMD And TMD Distinction No Longer Exists**
- **Limited Defense Against Long-range Threat And Robust Defense Against Shorter Range Threats**

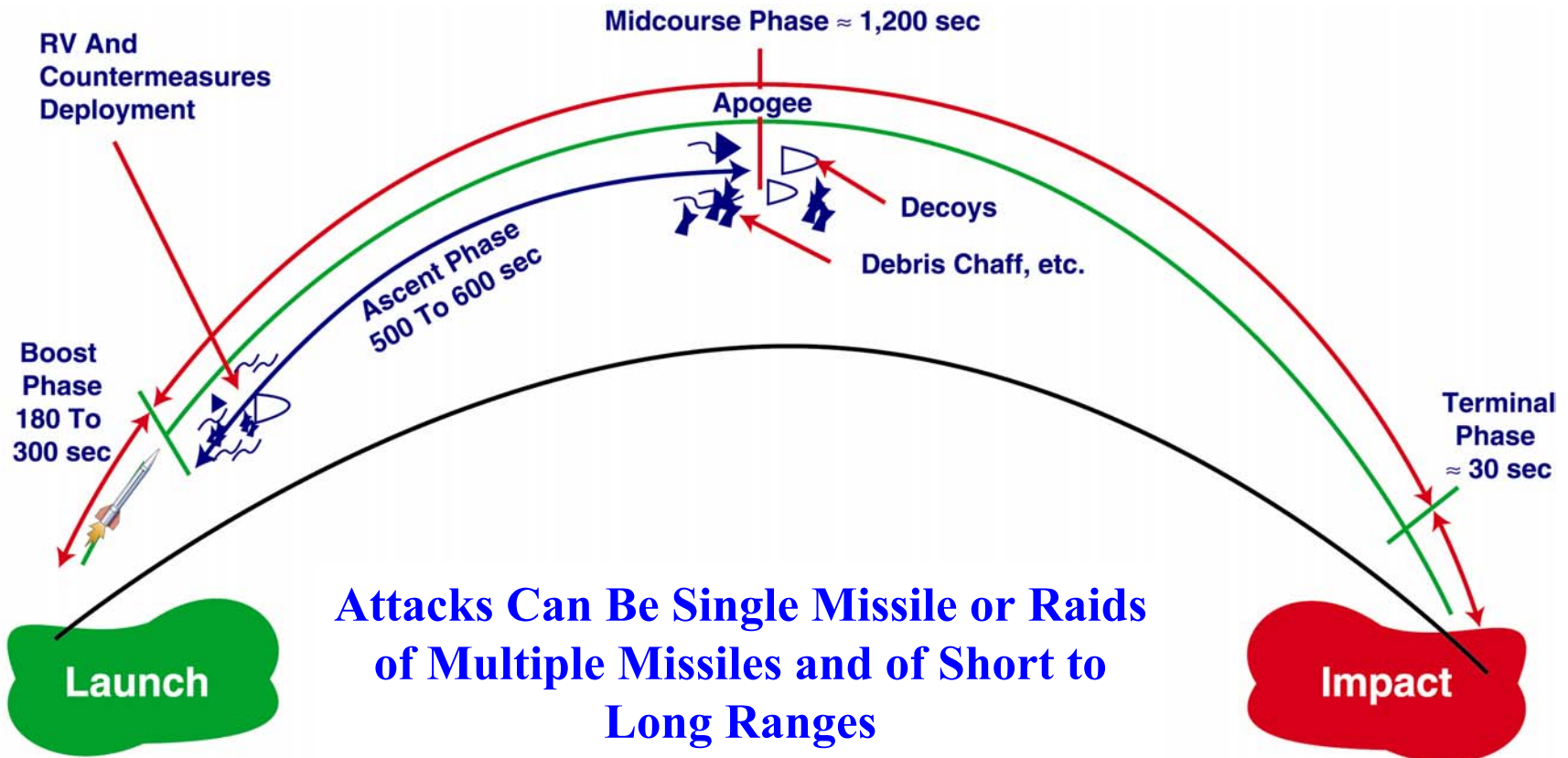


WITHDRAWAL FROM ABM TREATY

- **Opens Missile Defense Options For Greater Effectiveness**
- **Improves Ability To Test More Realistically**
- **Makes Possible New Models For Allies And Friends To Participate In The Missile Defense Program**

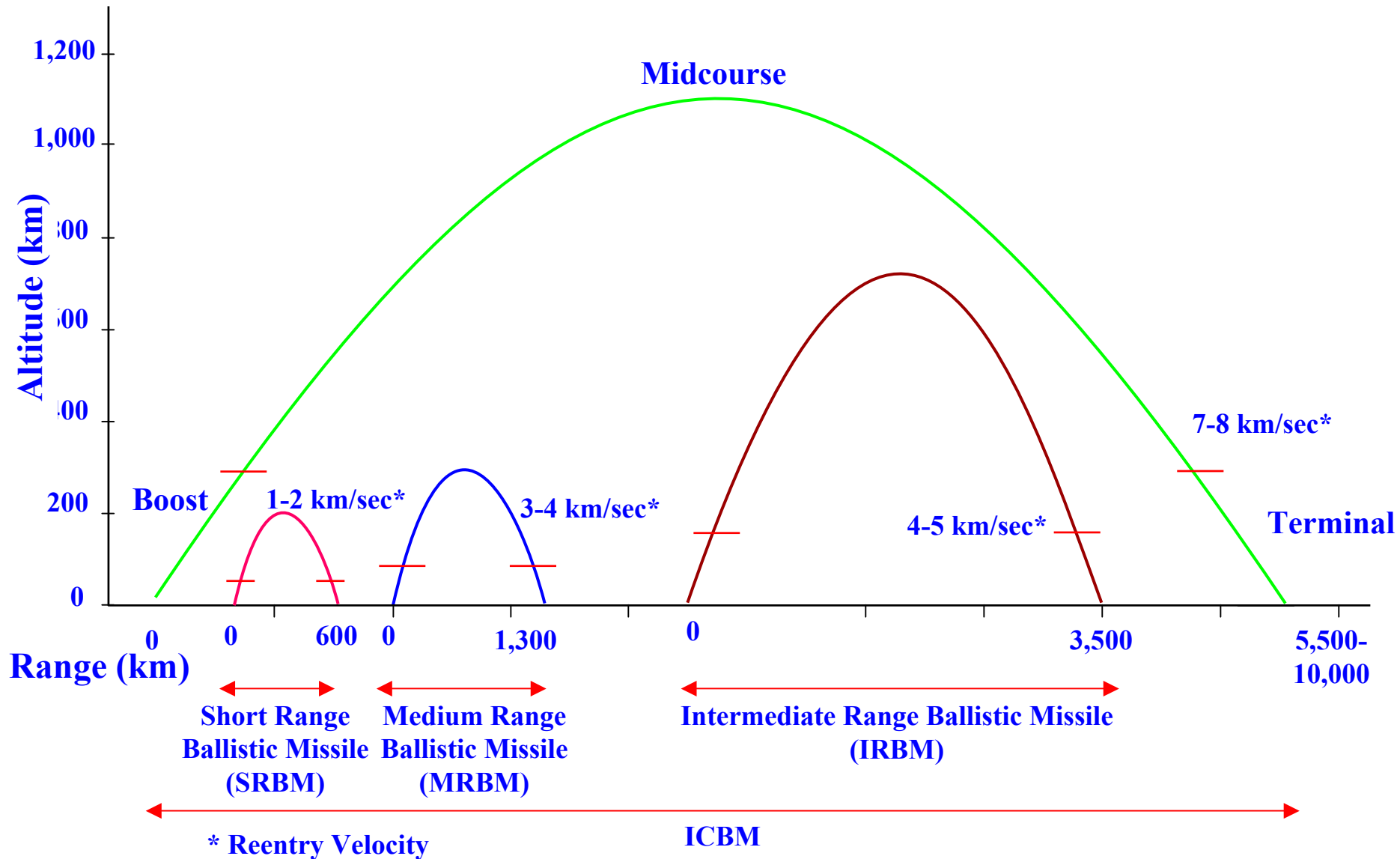


CHARACTERISTICS OF A BALLISTIC MISSILE



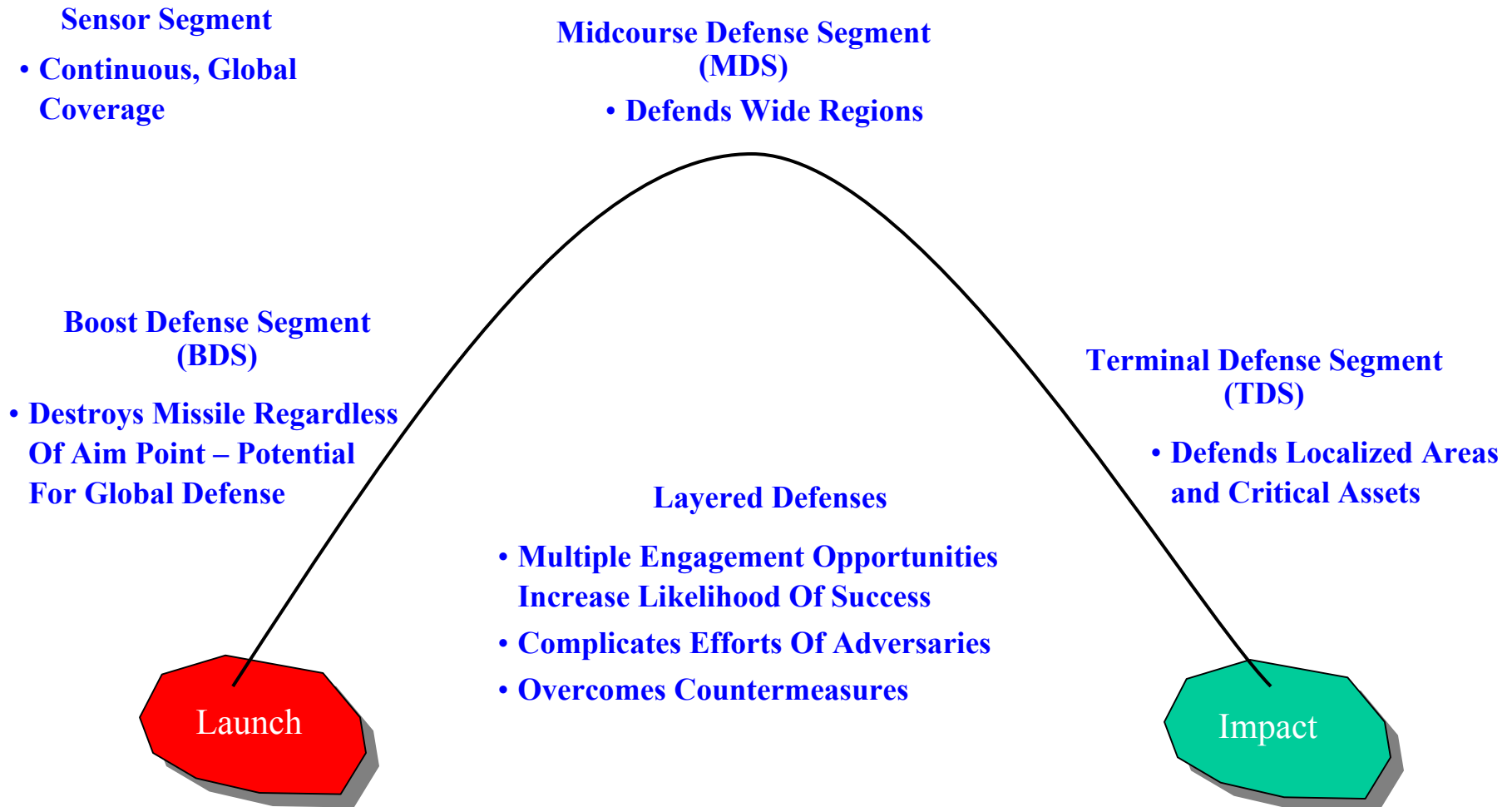


THE BALLISTIC MISSILE CHALLENGE





LAYERED MISSILE DEFENSE





MANAGING THE BALLISTIC MISSILE DEFENSE EFFORT AS ONE PROGRAM

2001

2002

2003

2004

2005

2006

2007

MDA

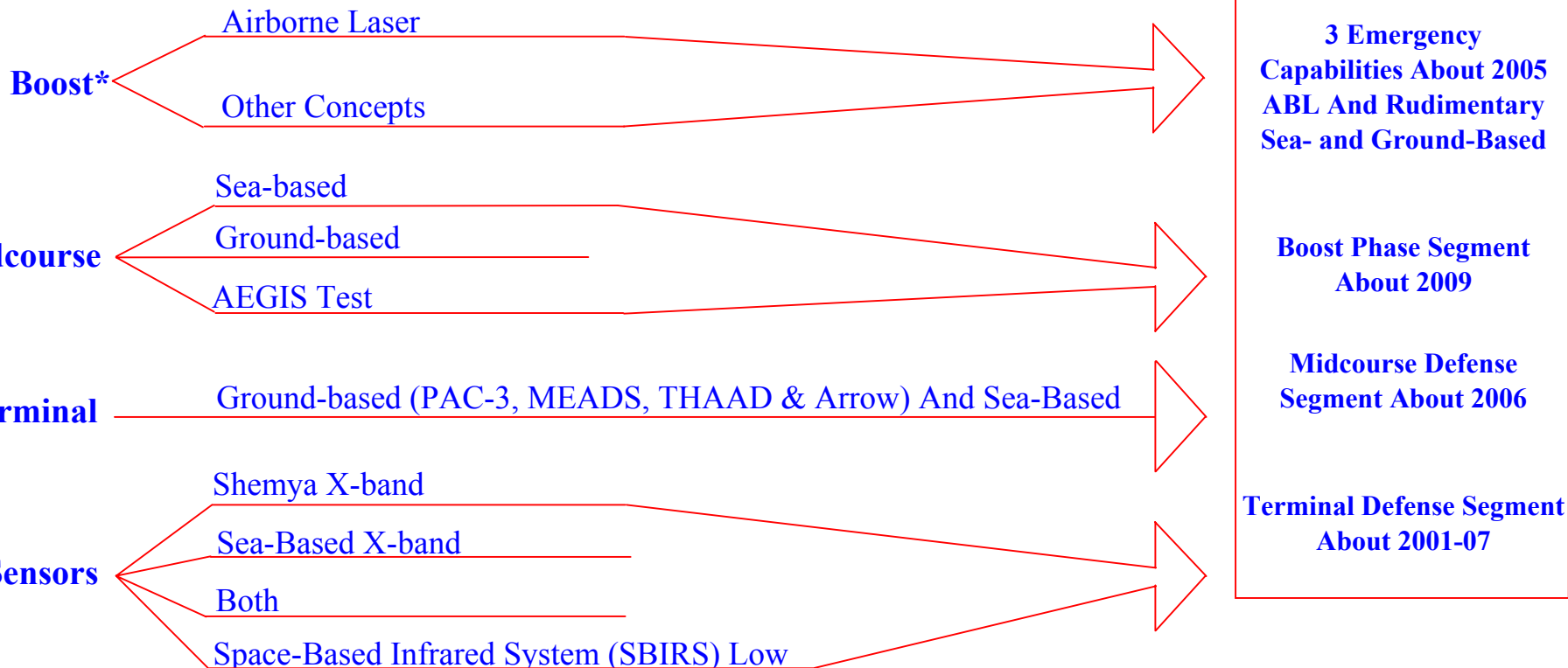
\$7.8B

\$7.5B

Decision Points



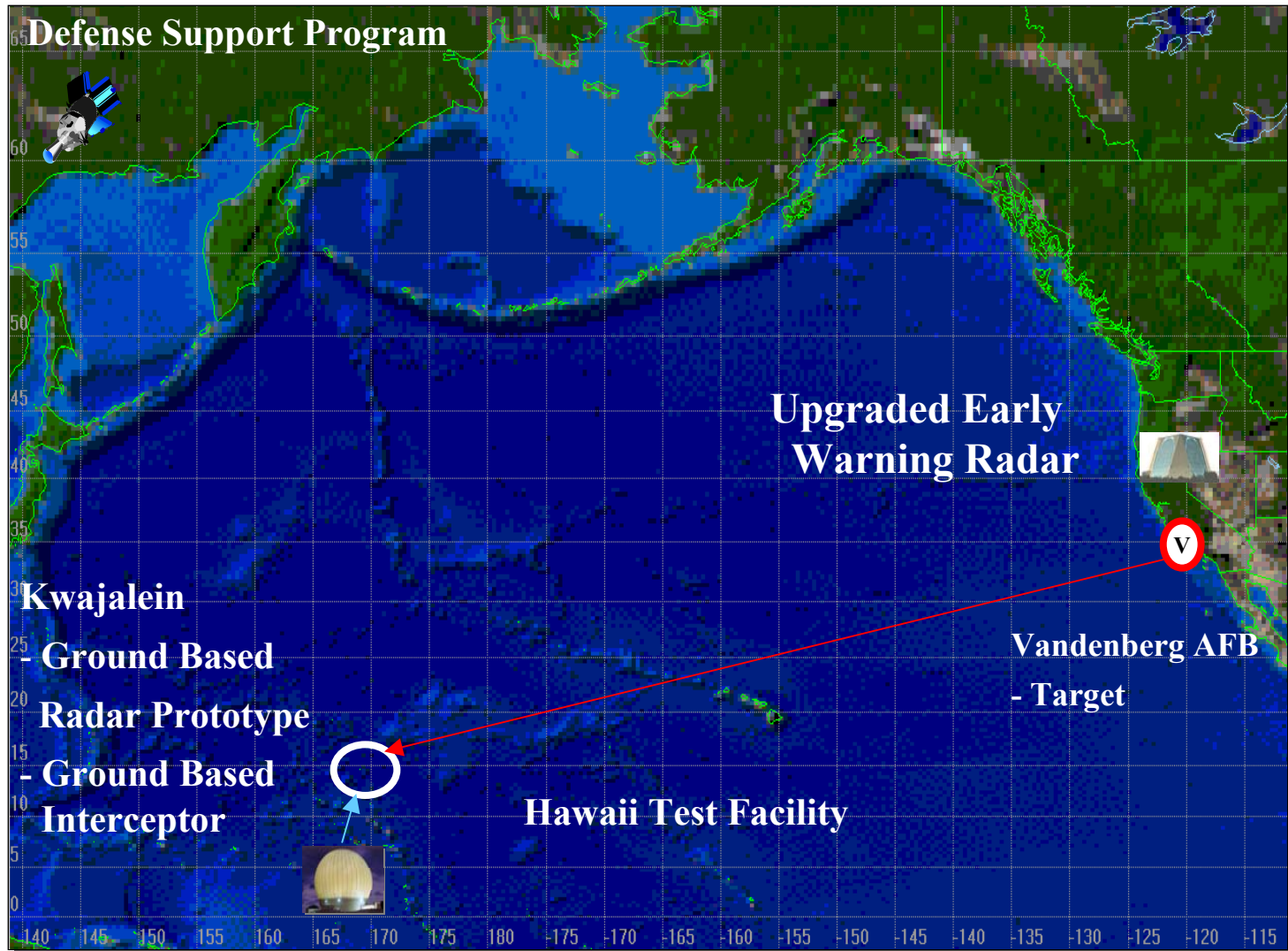
Deploy, Accelerate, Truncate Or Modify



* The U.S. Also Intends to Pursue Experiments on Sea Boost, Space-Based Lasers and Space-Based Hit-to-kill Interceptors

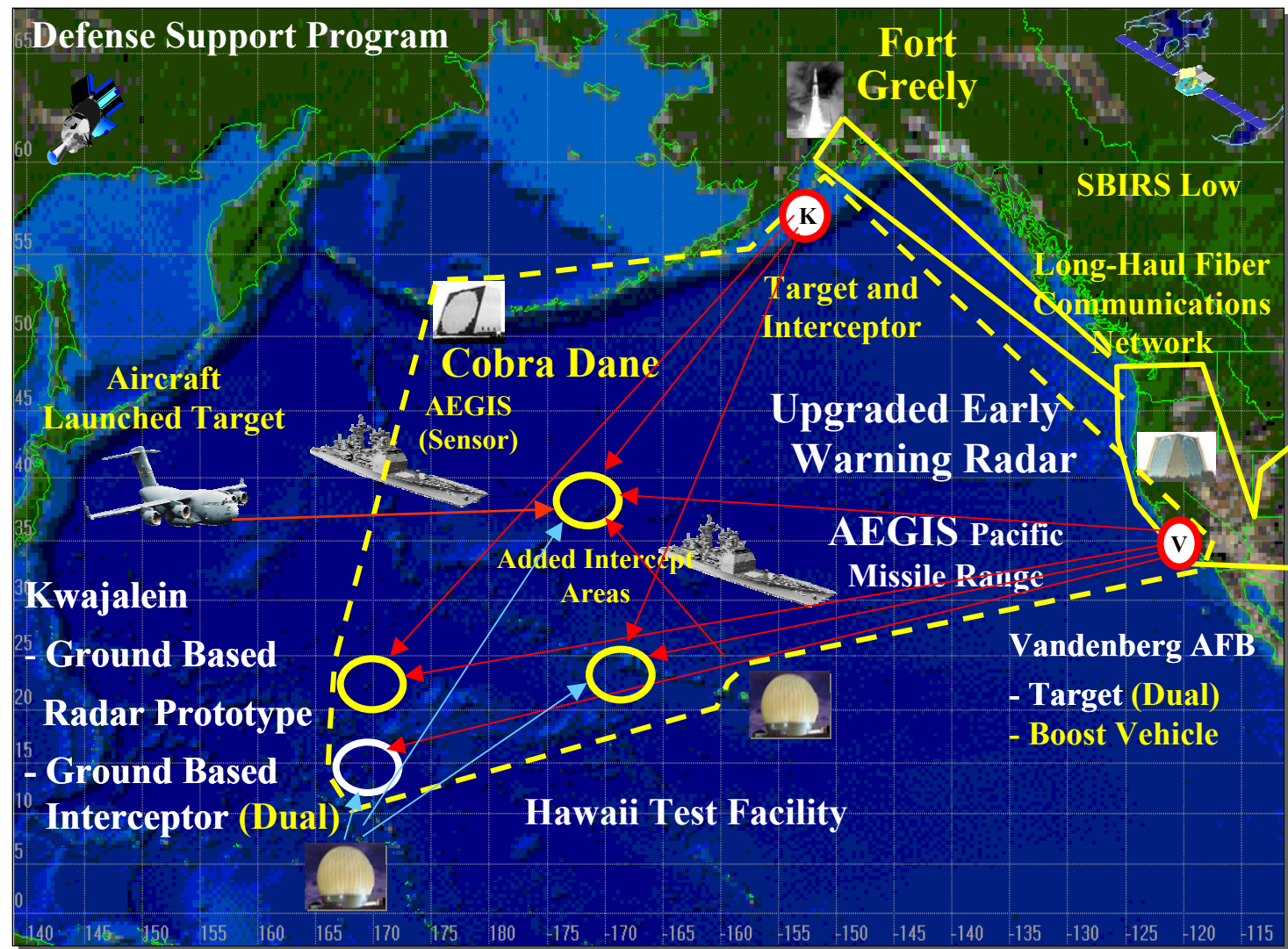


CURRENT TEST INFRASTRUCTURE





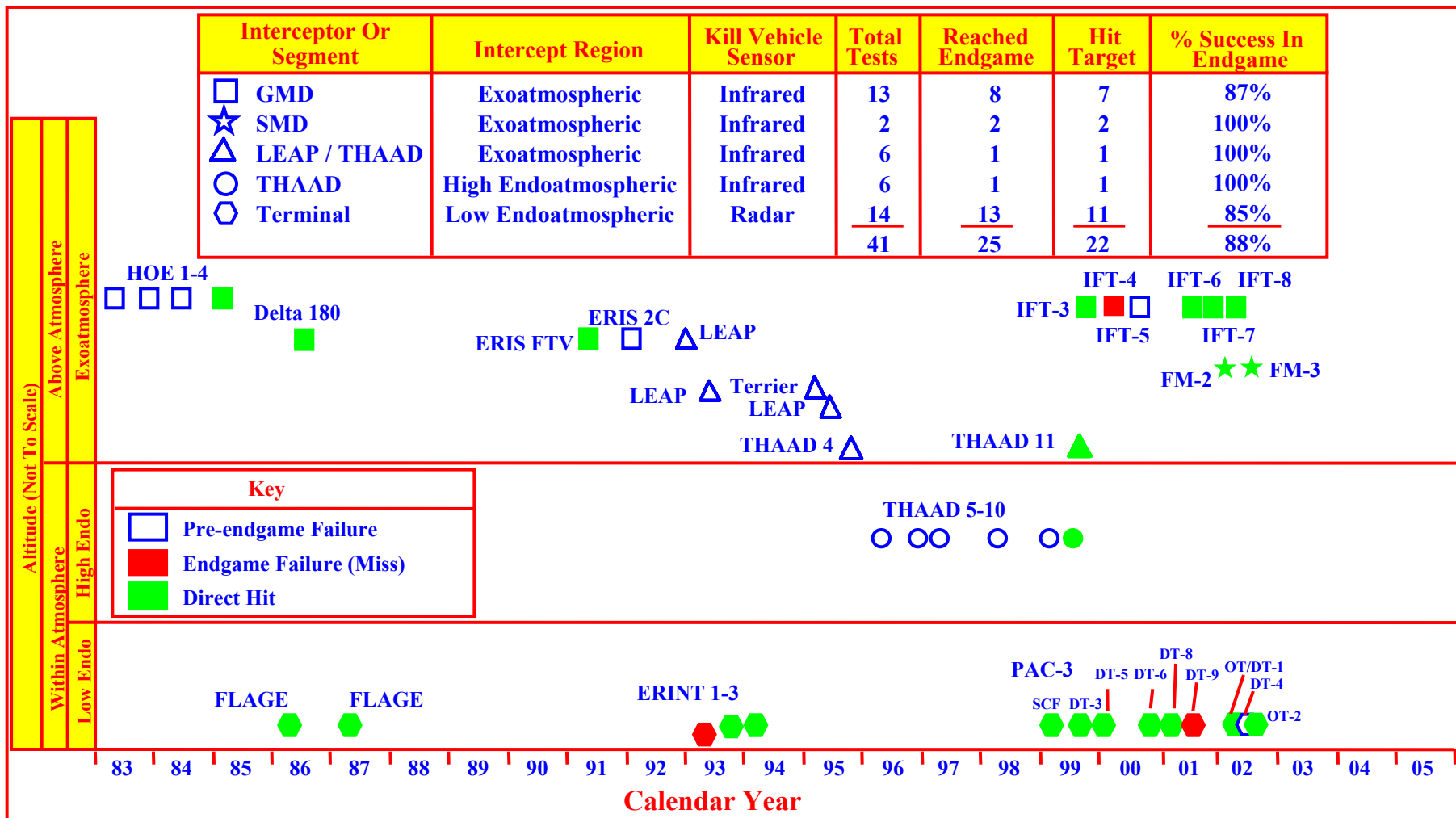
MIDCOURSE TEST BED



- Common Test Bed for Ground and Sea Based Elements
- Expandable to Boost and Terminal Segments
- Adds Realism to Test
- Allows Multiple Engagements
- Adds Additional Intercept Areas
- Enhances Ground Test Capability
- Adds SBIRS High and Low Testing



PROGRESS IN HIT-TO-KILL (HTK) AGAINST BALLISTIC MISSILES



DT Development Test

ERINT Extended Range Interceptor

ERIS Exoatmospheric Reentry Vehicle Interceptor Subsystem

FLAGE Flexible Lightweight Agile Guided Experiment

FTV Flight Test Vehicle

GMD Ground-Based Midcourse

HOE Homing Overlay Experiment

IFT Integrated Flight Test

LEAP Light Exoatmospheric Projectile

OT

PAC-3 PATRIOT Advanced Capability-3

SCF Seeker Characterization Flight

SMD Sea-Based Midcourse

THAAD Theater High Altitude Area Defense



2002 MISSILE DEFENSE ACTIVITIES

- **3 JAN 02: Ballistic Missile Defense Organization Renamed Missile Defense Agency**
- **25 JAN 02: First Flight Test Of SM-3 Booster With Kinetic Warhead; Intercept Of Aries Target Missile**
- **15 MAR 02: Integrated Flight Test 8; Successful Intercept Of Ballistic Missile Target For GMD Program**
- **15 APR 02: Contract Award To Fluor Alaska For Construction Of GMD Testbed Support Facilities**
- **13 JUN 02: Second Flight Test Of SM-3 Booster With Kinetic Warhead; Intercept Of Aries Target Missile**
- **15 JUN 02: Groundbreaking For GMD Testbed At Ft. Greely, Alaska**



SUMMARY

- **We Have Made Much Progress In Missile Defense**
- **Intensive RDT&E Program**
- **Multilayer, Multifaceted Development Program**
- **Withdrawal From ABM Treaty Opens Missile Defense Options, Including Work With Allies And Friends**